



2613  
PATENT  
P56637

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

GOO-MAN PARK, et al.

Serial No.: 10/052,552

Examiner: PARSONS, CHARLES E.

Filed: 23 January 2002

Art Unit: 2613

For: MULTI-CHANNEL IMAGE ENCODING APPARATUS AND ENCODING  
METHOD THEREOF

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

**FOREIGN PATENT REFERENCE:**

- Japanese Patent Publication No. 07-046557 to Someya et al., entitled VIDEO SIGNAL TRANSMISSION/RECEPTION SYSTEM, published 14 February 1995.
- Japanese Patent Publication No. 2001-103465 to Obara et al, entitled IMAGE COMPRESSION DEVICE, published 13 April 2001.
- Japanese Patent Publication No. 2001-186470 to Obara, entitled DEVICE AND METHOD FOR COMPRESSING AND RECORDING PLURALITY OF CHANNEL PICTURES, published 6 July 2001.

- Japanese Patent Publication No. 2001-186530 to Obara, entitled MULTIPLE CHANNEL IMAGE COMPRESSOR AND METHOD THEREFOR, published 6 July 2001.

#### **OTHER DOCUMENTS:**

- Office action for Japanese Application No. 2002-133863, dated 14 December 2004.

#### **DISCUSSION**

**Someya JP'557**, according to the Japanese Office action in applicant's patent priority application Serial No. 2002-133863, provides a transmission processor 2 with a still picture transmitter for transmitting still picture data, moving image transmitter for transmitting moving image data transmission switching device for switching whether the input/output of the transmission processor is connected to the still picture transmitter or to the moving image transmitter and transmission switching controller for controlling this switching, and a reception processor 5 is provided with a still picture receiver for receiving the still picture data, a moving image receiver for receiving the moving image data, a reception switching device for switching whether the input/output of the reception processor is connected to the still picture receiver or to the moving image receiver, and a reception switching controller for controlling this switching.

**Obara, et al. JP'465**, according to the Japanese Office action, discloses that this image compression device consists of an image buffer memory, that cyclically stores digital image of a plurality of channels by each frame, a compression means that selectively takes frame correlation of the images of a plurality of channels stored in this image buffer memory by each channel and a means that arranges the image compressed by this compression means and the in-frame compressed image as a series of groups.

**Obara JP'470**, according to the Japanese Office action, discloses that encoding is normally performed by utilizing inter-frame correlation. When an intermittent recording time interval becomes equal to or more than a prescribed value, compression encoding is performed by in-frame correlation. In this case, a buffer memory is used as a memory for storing each picture.

**Obara JP'530**, according to the Japanese Office Action, discloses that the image compressor consists of an image buffer memory, that stores digital images of multiple channels by each frame, a compression means that selectively takes frame correlation among multiple channels of images stored in the image buffer memory by each channel and compresses the images, a means that groups the image compressed by the compression means and in-frame compressed images as one group, and an image capture setting means that sets, so that the digital image of a specific channel is captured much to the specific image buffer memory.

Pursuant to 37 CFR §1.97(d), the undersigned attorney hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three (3) months prior to the filing of the statement.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

No fee is incurred by this Statement.

Respectfully submitted,

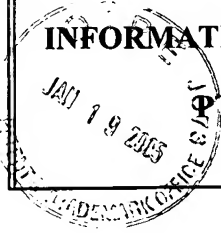
A handwritten signature in black ink, appearing to read "R. E. Bushnell", is written over a horizontal line.

Robert E. Bushnell

Reg. No.: 27,774

Attorney for the Applicant

1522 "K" Street, N.W., Suite 300  
Washington, D.C. 20005  
Area Code: (202) 408-9040  
Folio: P56999  
Date: 18 January 2005  
I.D.: REB/fw

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	<b>APPLICANT</b> GOO-MAN PARK, et al.	
	<b>FILING DATE</b> 23 January 2002	<b>GROUP</b> 2613

U.S. PATENT DOCUMENTS							
EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
FOREIGN PATENT DOCUMENTS						TRANSLATION	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	JP2001-103465	04/01	JAPAN			Abstract	
	JP2001-186470	07/01	JAPAN			Abstract	
	JP2001-186530	07/01	JAPAN			Abstract	
	JP07-046557	02/95	JAPAN			Abstract	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	Japanese Office Action of the Japanese Patent Application No. 2002-133863, issued on 14 December 2004						
<b>EXAMINER:</b>			<b>DATE CONSIDERED:</b>				
<small>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							